

Riemann boundary value problem on periodic non-rectifiable curve

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Abstract

© 2016 Informa UK Limited, trading as Taylor & Francis Group. We solve the Riemann boundary value problem for holomorphic functions on a periodic non-rectifiable curve. Probably, this is the first study of the Riemann problem on infinite curve, which is not rectifiable. The solution is obtained in terms of generalized integrals over non-rectifiable path.

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Keywords

infinite non-rectifiable path, periodic function, Riemann boundary value problem

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